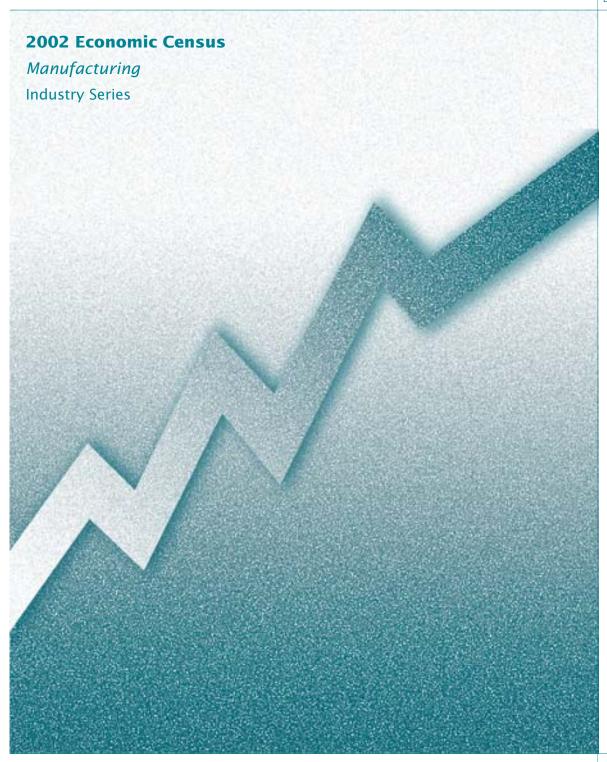
Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals: 2002

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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

		All	All employees		Production workers				Total	Total	Total capital
Industry and year ¹	Com- panies ²	estab- lish- ments ³	Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
334515, Instrument manufacturing for measuring and testing electricity and electrical signals	728 N N N N	791 N N N N 827	56 643 63 338 61 832 63 181 63 976 63 891	3 280 940 3 474 293 3 421 797 3 143 835 3 222 892 3 045 208	19 264 24 199 25 757 27 030 28 721 29 626	38 302 46 944 51 138 51 816 59 505 60 904	804 637 958 714 968 780 965 757 1 050 922 1 033 172	6 053 870 7 758 137 10 346 835 9 010 404 8 754 959 8 991 807	3 721 565 4 755 941 5 821 238 5 161 018 4 772 761 5 140 771	9 977 754 12 582 476 16 002 779 14 079 580 13 610 141 14 025 050	7467 610 772 493 794 596 662 766 647 572 667 632

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

		All establishments ²		All employees		Production workers						
Industry and geographic area	E¹	Total	With 20 em- ploy- ees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
334515, Instrument manufacturing for measuring and testing electricity and electrical signals												
United States. Arizona California Connecticut Florida Illinois Indiana Maryland Massachusetts Michigan Minnesota	1 - 1 3 2 - 2 9 4	791 24 217 8 27 19 12 7 40 23	294 7 94 4 7 8 5 5 17 2	56 643 672 20 261 324 557 663 1 106 2 116 4 506 411 795	3 280 940 27 565 1 298 127 20 133 30 298 34 572 55 978 173 577 265 268 24 951 46 221	19 264 239 6 125 135 203 294 228 243 1 226 187 365	38 302 483 12 698 283 570 464 525 2 316 384 693	804 637 7 671 319 799 4 943 7 125 9 185 8 135 9 944 60 923 6 016 15 447	6 053 870 57 195 2 268 762 13 290 48 366 71 715 124 898 279 602 426 707 55 357 74 488	3 721 565 26 551 1 321 917 20 813 18 571 39 945 94 118 220 419 328 047 32 114 33 022	9 977 754 83 453 3 728 871 38 339 72 980 112 482 224 560 498 681 787 260 87 303 112 364	7467 610 72 733 7149 669 72 003 71 225 72 522 74 143 715 188 736 548 71 772 73 563
New Hampshire New Jersey New York North Carolina Ohio Oklahoma Oregon Pennsylvania Texas Utah Washington Wisconsin	1 4 1 - 2 - 1 3 - 4	17 33 40 10 38 9 24 22 55 6 17	7 7 17 6 17 3 11 6 17 3 10 4	872 429 2 404 868 1 852 305 3 921 451 1 812 246 2 792 297	40 827 21 617 108 987 39 185 87 508 11 806 207 502 19 834 82 002 8 373 154 378 16 381	503 222 1 074 583 758 175 1 020 237 821 130 1 111	957 398 2 142 1 151 1 426 329 1 573 471 1 457 220 2 322 210	19 050 7 699 32 628 18 214 27 828 5 684 28 464 8 526 25 474 2 648 36 959 4 066	91 730 55 956 223 350 81 948 149 652 27 900 495 606 48 365 169 772 9 416 396 302 41 134	66 623 24 127 172 513 81 443 122 374 14 054 300 019 28 661 139 030 6 029 207 553 22 572	157 747 80 255 399 351 164 517 275 101 38 865 815 788 77 962 306 076 16 486 602 080 64 176	'3 798 '1 337 '9 609 '4 345 '10 659 '671 '36 640 '1 088 '22 224 '292 '19 929 '1 132

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more. Includes establishments with payroll at any time during the year.

3Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
334515, Instrument manufacturing for measuring and testing electricity and electrical signals	
Companies ¹ number	728
All establishments ²	791 497 197 97
All employees³ number. Total compensation \$1,000. Annual payroll \$1,000. Total fringe benefits \$1,000.	56 643 4 112 292 3 280 940 831 352
Production workers, average for year	19 264 19 990 19 530 19 080 18 391
Production worker hours	38 302 804 637
Total cost of materials \$1,000 Materials, parts, containers, packaging, etc., used \$1,000 Resales \$1,000 Purchased fuels \$1,000 Purchased electricity \$1,000 Contract work \$1,000	3 721 565 3 396 962 203 026 4 960 54 017 62 600
Quantity of electricity purchased for heat and power	708 831 D
Total value of shipments \$1,000. Primary products value of shipments \$1,000. Secondary products value of shipments \$1,000. Total miscellaneous receipts \$1,000. Value of resales \$1,000. Contract receipts \$1,000. Other miscellaneous receipts \$1,000.	9 977 754 8 911 338 459 634 606 782 330 666 48 980 227 136
Primary products specialization ratio percent. Value of primary products shipments made in all industries \$1,000. Value of primary products shipments made in this industry \$1,000. Value of primary products shipments made in other industries \$1,000.	95 9 773 796 8 911 338 862 458
Coverage ratio percent	91
Value added\$1,000	6 053 870
Total inventories, beginning of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000.	2 654 920 630 328 636 970 1 387 622
Total inventories, end of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000.	2 437 267 519 812 545 167 1 372 288
Gross value of depreciable assets (acquisition costs) at beginning of year \$1,000. Total capital expenditures (new and used) \$1,000. Buildings and other structures (new and used) \$1,000. Machinery and equipment (new and used) \$1,000. Automobiles, trucks, etc., for highway use \$1,000. Computers and peripheral data processing equipment \$1,000. All other expenditures for machinery and equipment \$1,000. Total retirements \$1,000. Gross value of depreciable assets at end of year \$1,000.	'4 792 809 '467 610 '145 905 '321 705 '6 279 '30 365 '284 013 '279 209 '4 981 210
Depreciation charges during year\$1,000	r415 699
Total rental payments	161 341 121 474 39 867
Total other expenses ⁴ \$1,000. Response coverage ratio ⁵ percent. Repair and maintenance services of buildings and/or machinery ⁴ \$1,000. Communications services ⁴ \$1,000. Legal services ⁴ \$1,000. Accounting, auditing, and bookkeeping services ⁴ \$1,000. Advertising and promotional services ⁴ \$1,000. Expensed computer hardware and supplies and purchased computer services ⁴ \$1,000. Refuse removal (including hazardous waste) services ⁴ \$1,000. Management consulting and administrative services ⁴ \$1,000. Taxes and license fees ⁴ \$1,000. All other expenses ⁴ \$1,000.	1 184 691 67 37 113 41 376 17 103 10 036 48 530 35 118 2 837 43 189 19 498 929 891

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
2Includes establishments with payroll at any time during the year.
3Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.
4Based on Annual Survey of Manufactures (ASM) sample data.
5A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class		All employees			Pr	oduction worke	ers		Total	Total	Total capital
		All estab- lish- ments ²	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
334515, Instrument manufacturing for measuring and testing electricity and electrical signals											
All establishments Establishments with —	1	791	56 643	3 280 940	19 264	38 302	804 637	6 053 870	3 721 565	9 977 754	^r 467 610
1 to 4 employees. 5 to 9 employees. 10 to 19 employees 20 to 49 employees 50 to 99 employees 100 to 249 employees 250 to 499 employees 500 to 999 employees 1,000 to 2,499 employees	9 8 6 2 2 1 -	310 101 86 136 61 56 21 9	640 679 1 179 4 492 4 459 8 379 7 053 5 707 11 777	33 629 41 807 70 085 229 816 224 014 415 841 476 391 258 676 722 072	337 276 545 2 017 1 828 3 695 2 360 2 215 2 641	594 533 1 071 3 949 3 485 6 929 4 643 4 838 5 207	9 967 9 688 20 191 68 576 60 633 125 612 103 450 80 756 119 519	77 855 94 770 147 498 451 729 421 273 827 550 683 438 669 556 1 438 010	42 927 50 321 81 224 268 203 214 551 596 573 675 003 352 991 696 826	121 099 145 239 230 813 739 285 640 480 1 442 128 1 383 072 1 039 628 2 171 370	'2 494 '2 868 '4 574 '17 214 '18 477 '35 489 '100 649 '106 473 '151 003
2,500 employees or more Administrative records ⁴	9	369	12 278 2 024	808 609 114 001	3 350 949	7 053 1 769	206 245	1 242 191 242 903	742 946 146 856	2 064 640 386 497	28 369 '9 118
Autilitionalive records	ا ا	309	2 024	114 001	343	1 709	29 393	242 903	140 030	300 497	9 110

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–11 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

size classes shown.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or	Industry or primary product class	All	All em	ployees	Pr	oduction work	ers		Total	Total	Total capital
product class code		estab- lish- ments ¹	Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	791	56 643	3 280 940	19 264	38 302	804 637	6 053 870	3 721 565	9 977 754	⁷ 467 610
3345151 3345153	Electrical integrating instruments Test equipment for testing electrical, radio, and communication circuits, and motors (except portable	23	2 904	126 637	1 734	3 563	55 674	329 855	240 586	554 273	r10 525
3345155	instrument transformers) Other instruments to measure electricity	233 39	47 256 2 364	2 822 240 104 049	14 614 1 147	29 316 2 211	656 293 34 773	5 048 754 217 438	3 096 031 145 129	8 356 303 371 190	r431 389 r9 588

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

		Number of companies with		Product shipments		
Product code	Product	shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)	
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	N N	X	X	9 773 796 13 033 372	
3345151	Electrical integrating instruments	Ŋ	X	×	623 524	
33451511	Electrical integrating instruments	N N	X	X	484 671 623 524	
3345151100	1997 Electrical integrating instruments ¹	N 41 36	X X X	X X X	484 671 623 524 484 671	
3345153	Test equipment for testing electrical, radio, and communication circuits, and motors (except portable instrument transformers)	N N	X X	X X	8 134 110 11 253 180	
33451531	Test equipment for testing electrical, radio, and communication circuits, and motors (except portable instrument transformers)	N	X	×	8 134 110	
3345153100	Test equipment for testing electrical, radio, and communication circuits, and motors (except portable	Ň	x	x	11 253 180	
	instrument transformers) ¹	254 324	X	X	8 134 110 11 253 180	
3345155	Other instruments to measure electricity	N N	X	X	379 481 486 394	
33451551	Other instruments to measure electricity	N N	X X	X X	379 481 486 394	
3345155100	Other instruments to measure electricity ¹	59 82	X X	x x	379 481 486 394	
334515W	Instrument manufacturing for measuring and testing electricity and electrical signals, nsk, total	N N	X X	X X	636 681 809 127	
334515WY	Instrument manufacturing for measuring and testing electricity and electrical signals, nsk, total	N	X	x	636 681	
334515WYWW	Instrument manufacturing for measuring and testing	N	â		809 127	
3043134414444	electricity and electrical signals, nsk, för nonadministrative- record establishments	N N	X X	X X	346 313 617 807	
334515WYWY	Instrument manufacturing for measuring and testing electricity and electrical signals, nsk, for administrative-	l N	X	^	01/80/	
	record establishments	N N	X X	X X	290 368 191 320	

¹For additional detail, see Current Industrial Report MA334B, Selected Instruments and Related Products.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3345151	Electrical integrating instruments	
	United States	623 524
	1997. California	484 671 23 616
	1997 Ohio	14 353 15 835 N
3345153	Test equipment for testing electrical, radio, and communication circuits, and motors (except portable instrument transformers)	
	United States	8 134 110 11 253 180
	Arizona	229 986
	1997	210 283 3 237 720
	1997. Connecticut	5 106 478 65 682
	1997 Florida	37 458 329 159
	1997	60 776
	Massachusetts 1997 2002	20 652 195 952 692 736
	1997. Minnesota 2002	1 144 491 105 518
	New Hampshire 2002	130 036 96 230
	1997	43 505
	New Jersey	105 740 225 007
	New York 2002. 1997. 1997.	299 287 337 817
	North Carolina	23 290 74 539
	Ohio	175 716 155 041
	Oregon	553 079 1 164 575
	Pennsylvania	18 817 62 961
	Texas	187 256 227 701
	Virginia	15 471
	1997 Washington	18 046 448 447 608 923
3345155	Other instruments to measure electricity	
	United States	379 481
	1997	486 394 50 919
	1997 Florida	97 278 8 814
	1997 Illinois 2002	N 50 494
	1997 New Hampshire	22 639 27 217
	1997 New York 2002	54 866 33 774
	1997	54 866 22 774 27 113 24 649
	Ohio	39 260
	Texas	18 926 11 329

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
334515	Instrument manufacturing for measuring and testing electricity and electrical signals		
00900001	Total materials	X	3 396 962
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X X X	4 591 610 199 025
001900C4	Printed circuit assemblies, loaded boards, and modules (printed circuit boards with inserted	X	223 187
	electronic components)	X	302 235 310 399
33441300	Semiconductors (including transistors, diodes, rectifiers, and integrated circuits), for electronic circuitry	X	167 865
33441400	1997 Capacitors for electronic circuitry 2002.	X	485 218 25 625
33441500	Resistors for electronic circuitry	X X X X X	39 103 35 140
00441000	1997	x	33 332
001900D3	All other miscellaneous components and accessories, for electronic circuitry (excluding tubes)	X	228 483 501 753
33593101	Current-carrying wiring devices	X X X X	21 305 85 973
001900B1	Electrical transmission, distribution, and control equipment	x x	152 178 138 757
		^	138 757
33411001	Electronic computer equipment	X	21 426 N
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	23 043 69 960
33451503	All other miscellaneous electrical measuring instruments and parts	X X X X X	443 266 415 717
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc	X	7 661 4 719
32610007	Fabricated plastics products (excluding gaskets, hoses, and belting)	X	47 676 43 656
332000A9	Sheet metal products (excluding stampings)	X X X X X X	27 450 116 518
332000AC	Metal stampings	X	21 876
332000AE	Other fabricated metal products (excluding forgings, metal stampings, and sheet metal products)		28 405 23 091
33100035	Castings, rough and semifinished	X X X	68 019 9 935
	1997	X	15 860
33100033	Metal shapes and forms (excluding castings, forgings, and fabricated metal products)	X X	5 990 15 818
33120001	Steel shapes and forms (excluding castings, forgings, and fabricated metal products)	X X X	8 169 N
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	X	3 628
	1997	X	N
33100076	Other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal products)	X	2 123
33142111	Copper and copper-base alloy shapes and forms (excluding castings, forgings, and fabricated		N 0.514
0070000	metal products)	X	2 514 N
32720003	Glass and glass products (excluding windows and mirrors)	X	5 863 11 725
331000A7	Insulated wire and cable (including magnet wire)	X	14 378
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X X X	N 9 040
33331401	Optical instruments and lenses (excluding sighting, tracking, and fire control)	X X X	7 670 N
33422001	Electronic communication equipment		19 423
33531211	Fractional horsepower electric motors (less than 1 hp)	X X	N 2 836
33441900	Liquid crystal display screens (LCD), including LED	X X X X X	N 13 161
	1997.	x	N N
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies)	х	6 309
00970099	All other materials and components, parts, containers, and supplies	X	N 636 839
00971000	Materials, ingredients, containers, and supplies, nsk	X X X X X	949 423 901 739
	1997.	â	1 034 068

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.